FIG. 1(a)

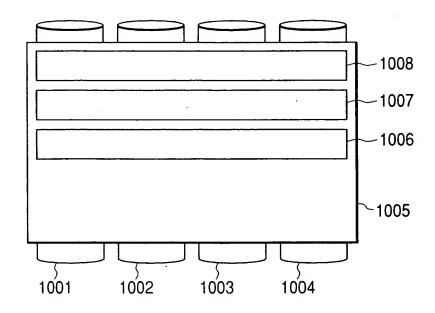


FIG. 1(b)

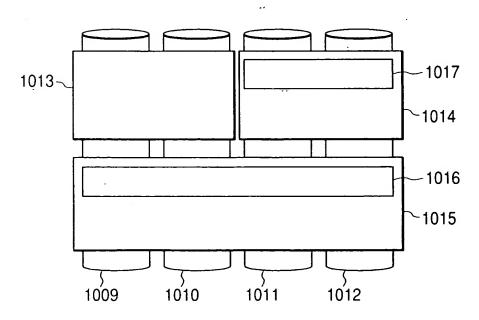


FIG. 2

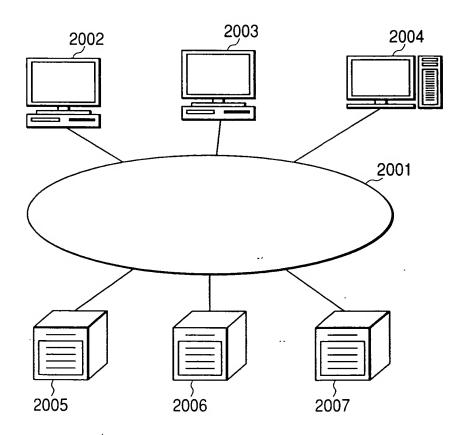
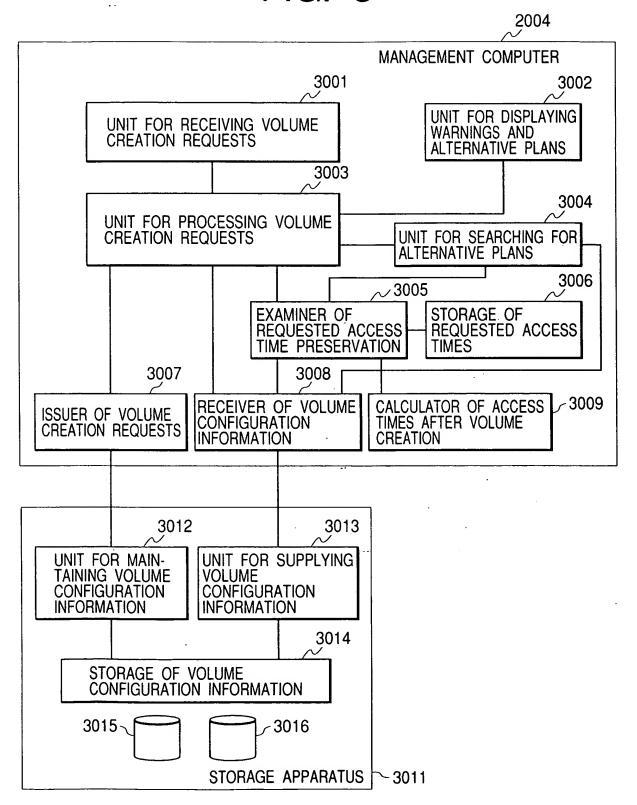


FIG. 3





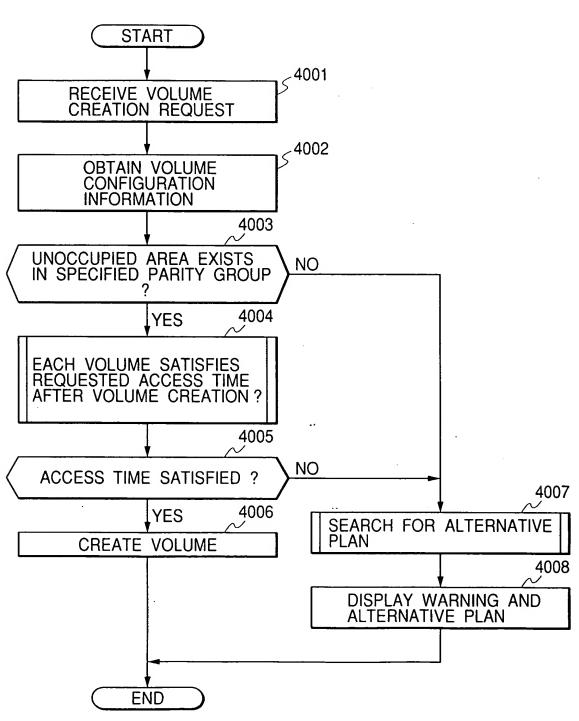


FIG. 5

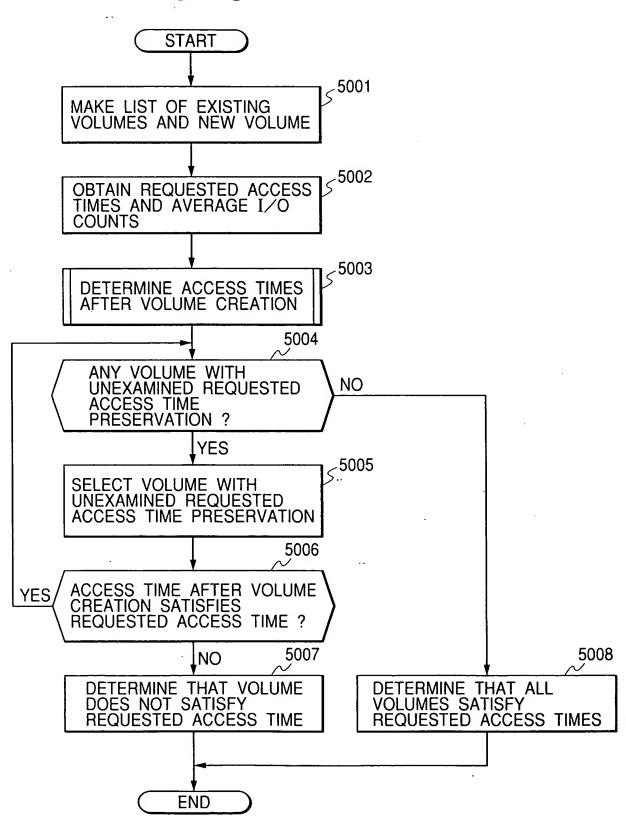
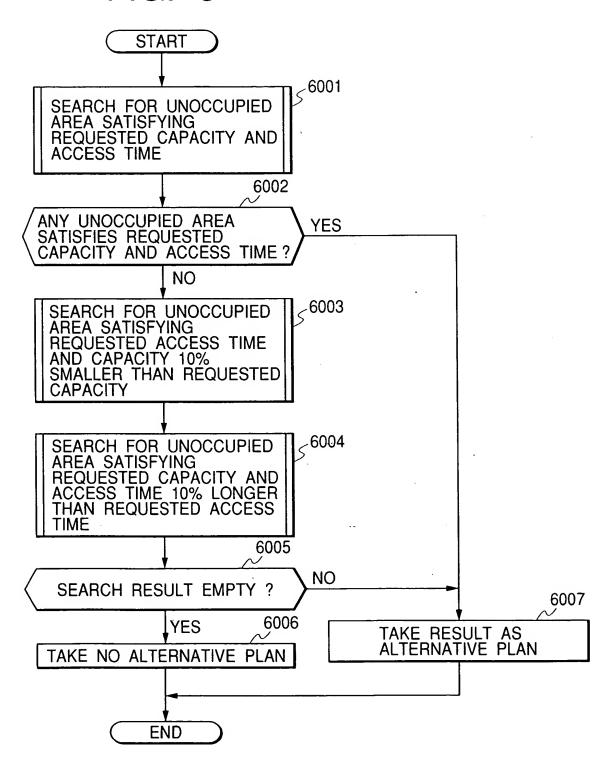
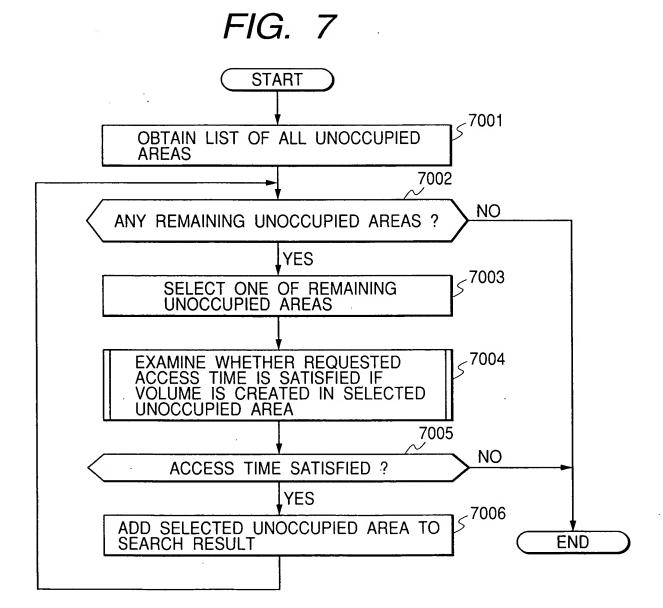


FIG. 6





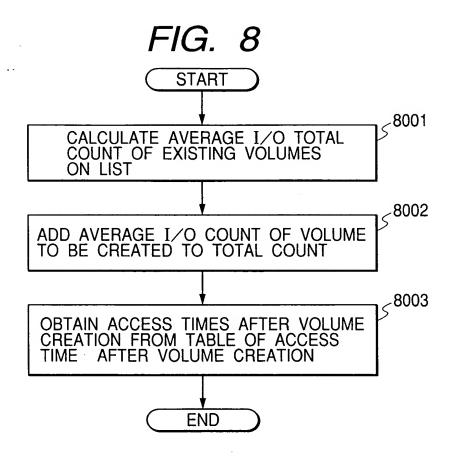


FIG. 9

AVERAGE I/O TOTAL IN SAME PARITY GROUP (DEMANDS/SECOND)	ACCESS TIME AFTER VOLUME CREATION	
0—199	20msec	
200—499	24msec	
500 - 799	30msec	
800 — 999	40msec	
GREATER THAN 1,000	AVERAGE I/O TOTAL COUNT/10msec	

9001

9002

FIG. 10

VOLUME	REQUESTED ACCESS TIME	AVERAGE I/O COUNT (DEMANDS/SECOND)
VOLUME 1	30msec	100
VOLUME 2	40msec	200
VOLUME 3	55msec	150
VOLUME 4	45msec "	200
VOLUME 5	35msec	300
10001) 10002) 10003

FIG. 11(a)

11001 ··	11002)	11003, 〉
PARITY GROUP	PHYSICAL DISK	RAID LEVEL
PARITY GROUP 1	PHYSICAL DISKS 1 AND 2	RAID —5
PARITY GROUP 2	PHYSICAL DISKS 3 TO 6	RAID -1
PARITY GROUP 3	PHYSICAL DISKS 7 TO 11	RAID -5
PARITY GROUP 4	PHYSICAL DISKS 12 TO 15	RAID –5

FIG. 11(b)

11004	11005	11006
PARITY GROUP	ASSIGNED ENTITY	CAPACITY (Mbyte)
PARITY GROUP 1	VOLUME 1	3000
	UNOCCUPIED AREA	5000
PARITY GROUP 2	VOLUME 2	5000
	VOLUME 3	8000
	VOLUME 4	2000
	UNOCCUPIED AREA	5000
PARITY GROUP 3	UNOCCUPIED AREA	10000
PARITY GROUP 4	VOLUME 5	5000
	UNOCCUPIED AREA	5000

FIG. 12

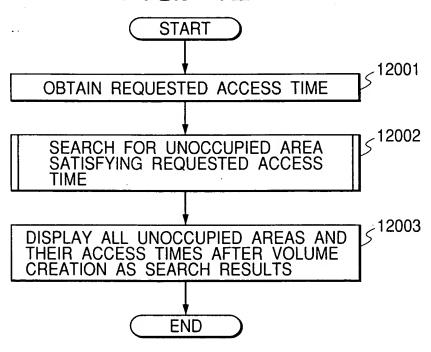


FIG. 13

